



# STIC Search Report

EIC 1700

STIC Database Tracking Number: 10/0530

**TO:** Eisa Elhilo  
**Location:** CP3 9D34  
**Art Unit :** 1751  
**August 14, 2003**

**Case Serial Number:** 10/052741

**From:** Kathleen Fuller  
**Location:** EIC 1700  
CP3/4 3D62  
**Phone:** 308-4290

**Kathleen.Fuller@uspto.gov**

Search Notes



# STIC Search Results Feedback Form

EIC17000

Questions about the scope or the results of the search? Contact **the EIC searcher or contact:**

Kathleen Fuller, EIC 1700 Team Leader  
308-4290, CP3/4-3D62

## Voluntary Results Feedback Form

➤ *I am an examiner in Workgroup:*  *Example: 1713*  
➤ *Relevant prior art found, search results used as follows:*

- 102 rejection
- 103 rejection
- Cited as being of interest.
- Helped examiner better understand the invention.
- Helped examiner better understand the state of the art in their technology.

*Types of relevant prior art found:*

- Foreign Patent(s)
- Non-Patent Literature  
(journal articles, conference proceedings, new product announcements etc.)

➤ *Relevant prior art not found:*

- Results verified the lack of relevant prior art (helped determine patentability).
- Results were not useful in determining patentability or understanding the invention.

**Comments:**

Drop off or send completed forms to STIC/EIC1700 CP3/4-3D62



**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: EISA ELHILY Examiner #: 78424 Date: 8/6/03  
 Art Unit: 1751 Phone Number 305-0217 Serial Number: 10052741  
 Mail Box and Bldg/Room Location: CP3/9D34 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

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Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Primary intermediates for oxidative coloration of hair  
 Inventors (please provide full names): MA-ILL Lim et al.

Earliest Priority Filing Date: 1/23/2001

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please do search on the attached  
formula (1)

Thank You

Examiner ELLILY  
8/6/03

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<b>STAFF USE ONLY</b>		Type of Search	Vendors and cost where applicable
Searcher:	<u>X Fulltext</u>	NA Sequence (#)	STN <u>✓ \$205</u>
Searcher Phone #:		AA Sequence (#)	Dialog _____
Searcher Location:		Structure (#)	Questel/Orbit <u>2</u>
Date Searcher Picked Up:		Bibliographic	Dr. Link _____
Date Completed:	<u>8/14/03</u>	Litigation	Lexis/Nexis _____
Searcher Prep & Review Time:	<u>20</u>	Fulltext	Sequence Systems _____
Clerical Prep Time:		Patent Family	WWW/Internet _____
Online Time:	<u>20</u>	Other	Other (specify) _____

ELHILO 10/052741

8/14/03

Page 1

=> file reg  
FILE 'REGISTRY' ENTERED AT 12:12:59 ON 14 AUG 2003  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9  
DICTIONARY FILE UPDATES: 13 AUG 2003 HIGHEST RN 566135-25-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP  
PROPERTIES for more information. See STNote 27, Searching Properties  
in the CAS Registry File, for complete details:  
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

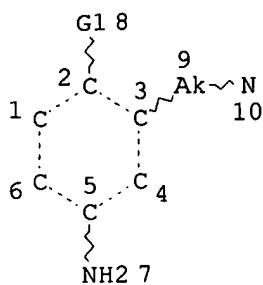
=> file hcaplus  
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FILE COVERS 1907 - 14 Aug 2003 VOL 139 ISS 7  
FILE LAST UPDATED: 13 Aug 2003 (20030813/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

=> d que  
L13 SCR 1568  
L18 STR



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VAR G1=OH/NH2
NODE ATTRIBUTES:
NSPEC IS RC AT 10
CONNECT IS E2 RC AT 9
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

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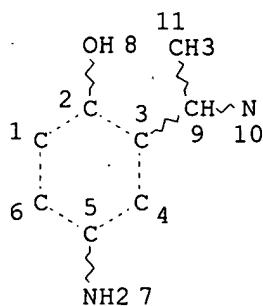
GRAPH ATTRIBUTES:
RSPEC 1
NUMBER OF NODES IS 10

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STEREO ATTRIBUTES: NONE
L21      623 SEA FILE=REGISTRY SSS FUL L18 AND L13
L39      STR

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NODE ATTRIBUTES:
NSPEC IS RC AT 10
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

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GRAPH ATTRIBUTES:
RSPEC 1
NUMBER OF NODES IS 11

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STEREO ATTRIBUTES: NONE
L48      11 SEA FILE=REGISTRY SUB=L21 SSS FUL L39
L49      1 SEA FILE=HCAPLUS ABB=ON L48

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=> d all 149 hitstr

L49 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN  
AN 2002:615368 HCAPLUS

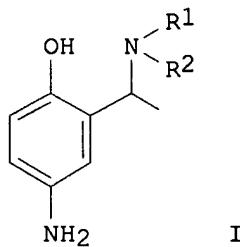
11 structures

1 CA reference  
applicant

DN 137:174509  
 TI Aminophenol primary intermediates for oxidative coloration of hair  
 IN Lim, Mu-Ill; Pan, Yuh-Guo  
 PA Clairol Incorporated, USA  
 SO PCT Int. Appl., 49 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 IC ICM A61K007-13  
 CC 62-3 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002062308	A2	20020815	WO 2002-US1581	20020118
	WO 2002062308	A3	20020919		
		W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM		
		RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG		
	US 2002144358	A1	20021010	US 2002-52741	20020118
PRAI	US 2001-263583P	P	20010123		
OS	MARPAT 137:174509				
GI					



AB Primary intermediates for hair coloring compns. for oxidative dyeing of hair are I: where R<sub>1</sub>, and R<sub>2</sub> are each individually selected from H, a C<sub>1</sub> to C<sub>3</sub> alkyl group, a C<sub>1</sub> to C<sub>5</sub> mono or dihydroxyalkyl group; Ph or benzyl optionally substituted with an alkoxy group, or R<sub>1</sub>, and R<sub>2</sub> together with the nitrogen atom to which they are attached form a piperazine, piperidine, imidazole, or morpholine ring. E.g., a combination of 4-amino-2-(1-phenylaminoethyl)phenol and 2-aminophenol are used in a hair dye.

ST amino phenol intermediate oxidative hair dye

IT Oxidizing agents

(aminophenol primary intermediates for oxidative coloration of hair)

IT Hair preparations

(dyes; aminophenol primary intermediates for oxidative coloration of hair)

IT 90-15-3, 1-Naphthol 95-55-6, 2-Aminophenol 95-70-5,  
2-Methylbenzene-1,4-diamine 95-88-5, 4-Chlorobenzene-1,3-diol

106-50-3, Benzene-1,4-diamine, biological studies 108-46-3, Resorcinol, biological studies 123-30-8, 4-Aminophenol 150-75-4, 4-Methylaminophenol 591-27-5, 3-Aminophenol 608-25-3, 2-Methyl-1,3-benzenediol 1004-74-6, Pyrimidinetetramine 2380-86-1, 1H-Indol-6-ol 2835-95-2, 5-Amino-2-methylphenol 2835-98-5, 2-Amino-5-methylphenol 2835-99-6, 4-Amino-3-methylphenol 7469-77-4, 2-Methyl-1-naphthol 7575-35-1 16867-03-1, 2-Amino-3-pyridinol 17672-22-9, 2-Amino-6-methylphenol 26021-57-8 41927-22-4 53222-92-7, 3-Amino-2-methylphenol 55302-96-0 70643-19-5 83763-47-7 93841-24-8, 2-(2,5-Diaminophenyl)ethanol 94082-77-6 129697-50-3 131311-66-5 155601-17-5 157469-54-0 220264-60-8 307493-94-3 329320-36-7 **446265-82-3 446265-83-4**  
**446265-84-5 446265-85-6 446265-86-7**  
**446265-87-8 446265-88-9 446265-89-0**  
**446265-90-3 446265-91-4 446265-92-5**

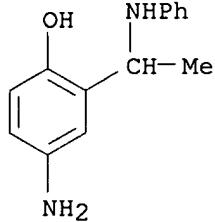
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (aminophenol primary intermediates for oxidative coloration of hair)

IT    **446265-82-3 446265-83-4 446265-84-5**  
**446265-85-6 446265-86-7 446265-87-8**  
**446265-88-9 446265-89-0 446265-90-3**  
**446265-91-4 446265-92-5**

RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
 (aminophenol primary intermediates for oxidative coloration of hair)

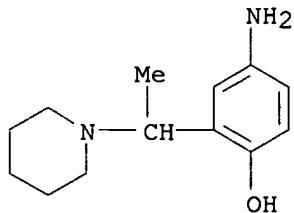
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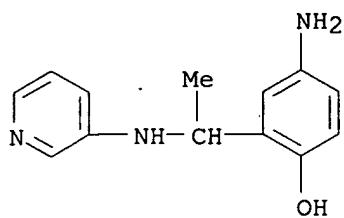
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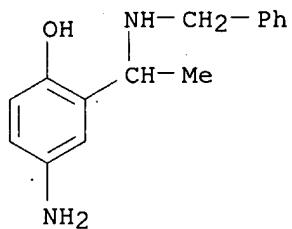


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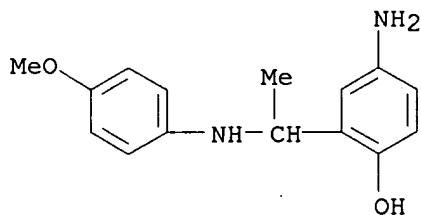
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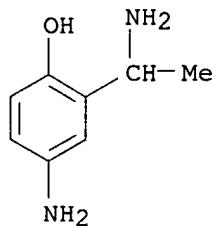
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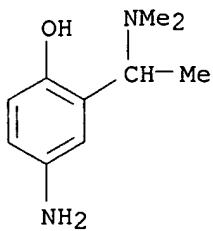
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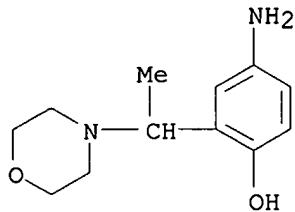
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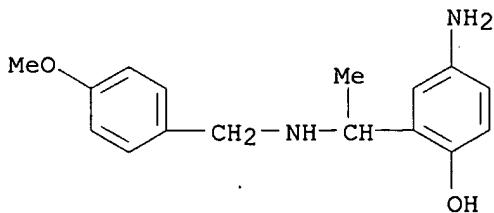
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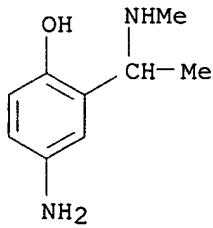
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 CN Phenol, 4-amino-2-[1-[(4-methoxyphenyl)methyl]aminoethyl]- (9CI) (CA INDEX NAME)



RN 446265-91-4 HCAPLUS  
 CN Phenol, 4-amino-2-[1-(methylamino)ethyl]- (9CI) (CA INDEX NAME)



RN 446265-92-5 HCAPLUS  
 CN Phenol, 4-amino-2-[1-[(2-hydroxyethyl)amino]ethyl]- (9CI) (CA INDEX NAME)

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